IMAGE CAPTURE

SERVER SPECIFICATION

Hardware Specification : Intel core i5 10400

Motherboard Gigabyte b460M-DS3H

Ram VGen DDR 4 16 GB

Harddisk WD Blue 2TB

SSD Adata M2 SX8200 256GB NVME

Operating System : Win Server 2016

Language : Phyton

Library : OpenCV

Framework : Laravel

Webserver : Apache (windows version)

1. Capture Image

Image capture process must less than 2 seconds.

Able to handle multiple cameras (more than 10 cameras simultaneously).

URI : http://[cloudserver\_or local]/snapshot

Method : Post (raw:JSON)

Request parameter :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Parameter | Description | Length | Mandatory |
| 1 | timestamp | yyyy/mm/dd hh:nn:ss | STR-19 date format | Yes |
| 2 | filename |  | STR-100 | Yes |
| 3 | urlparameter |  | STR-100 | Yes |

Sample data :

{ "timestamp":"2022/11/29 14:07:00.001",

"filename":”[\\localpc\image\image20221129140700.jpg](file:///\\localpc\image\image20221129140700.jpg)”,

”urlparameter” : “rtsp://username:password@ipaddress:port/channel”

}

Response parameter :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Parameter | Description | Length | Mandatory |
| 1 | timerequest | yyyy/mm/dd hh:nn:ss  Return request timestamp | STR-19 date format | Yes |
| 2 | timestamp | yyyy/mm/dd hh:nn:ss  Return current timestamp | STR-19 date format | Yes |
| 3 | filename |  | STR-100 | Yes |
| 4 | responseStatus | Response Status. It’s should be “**Success**” or “**Failed**”. | STR-20 | Yes |
| 5 | responseCode | Response code. Please see appendix for details. | STR-6 | Yes |

Sample response:

{"timerequest":"2022/11/29 14:07:00.001", "timestamp":"2022/11/29 14:07:00.100", "filename":”[\\localpc\image\image20221129140700.jpg](file:///\\localpc\image\image20221129140700.jpg)”,"responseStatus":"Success",

"responseCode":100100}

Respon Code

|  |  |  |
| --- | --- | --- |
| No. | Respon Code | Description |
| 01 | 100100 | Capture Success |
| 02 | 100201 | Time out |
| 03 | 100999 | Unknown error |
|  |  |  |